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TITLE: Measurement of performance of solar panel - is determined from millivolt-meter connected to loaded photovoltaic cell

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PATENT-FAMILY:

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ABSTRACTED-PUB-NO: FR 2439392A

BASIC-ABSTRACT: The lighting energy received by a panel of photovoltaic cells is measured to determine the performance of solar panels. The cells used have a spectral sensitivity dose to that of the solar panel and the output is measured by a millivoltmeter with a liquid crystal readout.

A photovoltaic cell (4) has a silicon NP plate whose output terminals (5, 6) are connected to several load resistors (7, 8) in parallel. The output is connected to a millivoltmeter (11) input terminals (9, 10) with automatic display provided by liq. crystal readouts. The meter is powered from a battery (12) via an on offswitch (17). A threshold circuit (18) enables the battery terminal voltage to be checked when a push button (19) is pressed. When the threshold is exceeded a lamp (20) is illuminated.

TITLE-TERMS:

MEASURE PERFORMANCE SOLAR PANEL DETERMINE MILLIVOLT METER  
CONNECT LOAD  
PHOTOVOLTAIC CELL

DERWENT-CLASS: Q74 S03 X15

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